

Title: Methods and Systems for Enabling Seamless
Roaming of Mobile Devices Among Wireless
Networks
Inventor(s): Christoffel et al.
Serial No. 10/055,028
Atty Docket No. BLS-007
Atty/Agent: IHeffan/SLee
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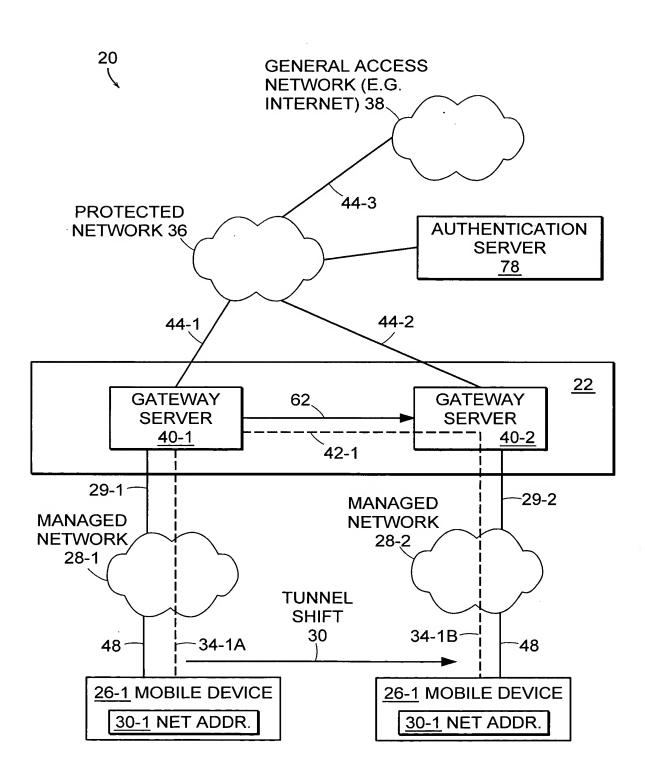
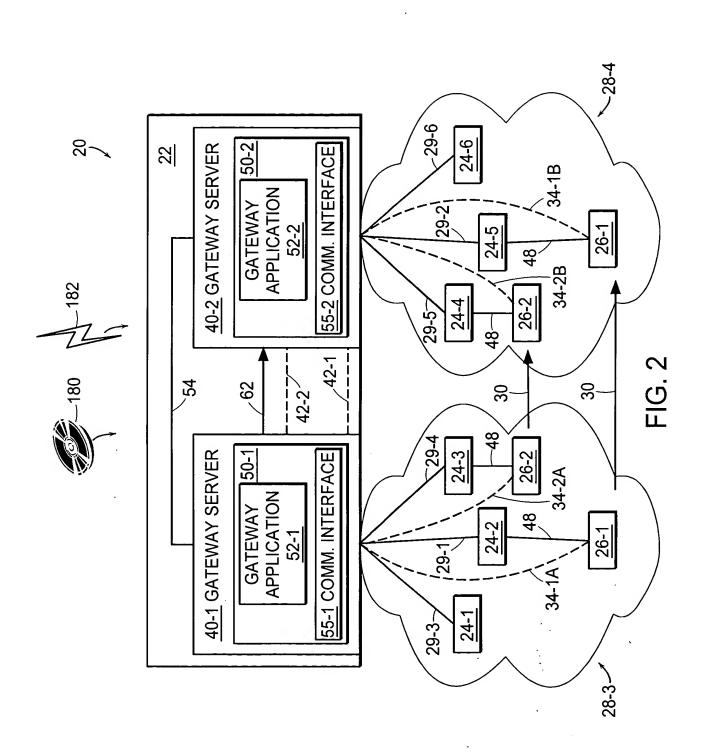
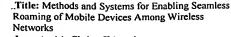


FIG. 1



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202 ESTABLISH A SECURE CONNECTION FROM A MOBILE DEVICE THROUGH AN INITIAL ACCESS POINT TO AN INITIAL GATEWAY SERVER.

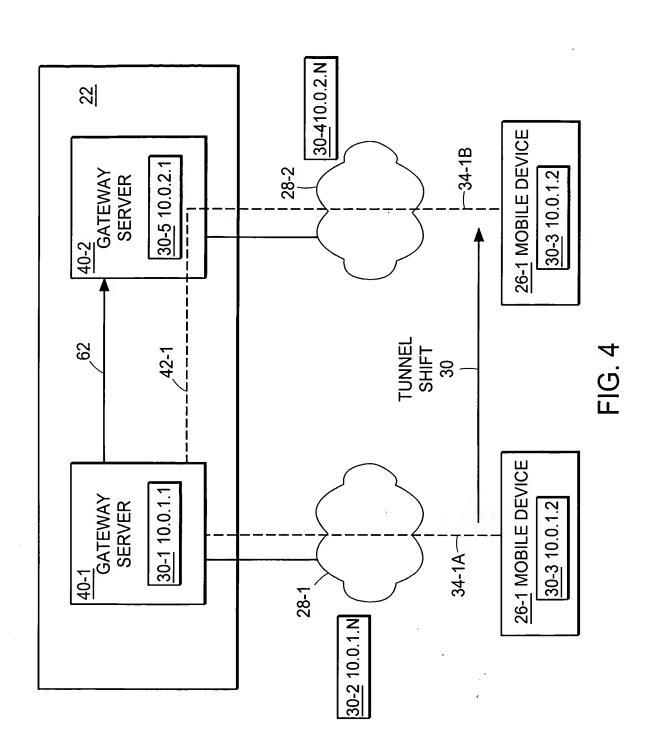
204 DETERMINE THAT A TRIGGERING EVENT HAS OCCURRED THAT INITIATES A TRANSFER OF THE MOBILE DEVICE FROM THE INITIAL ACCESS POINT TO A TARGET ACCESS POINT ASSOCIATED WITH THE TARGET GATEWAY SERVER.

206 PROVIDE CONNECTION INFORMATION TO A TARGET GATEWAY SERVER FROM THE INITIAL GATEWAY SERVER ABOUT THE SECURE CONNECTION.

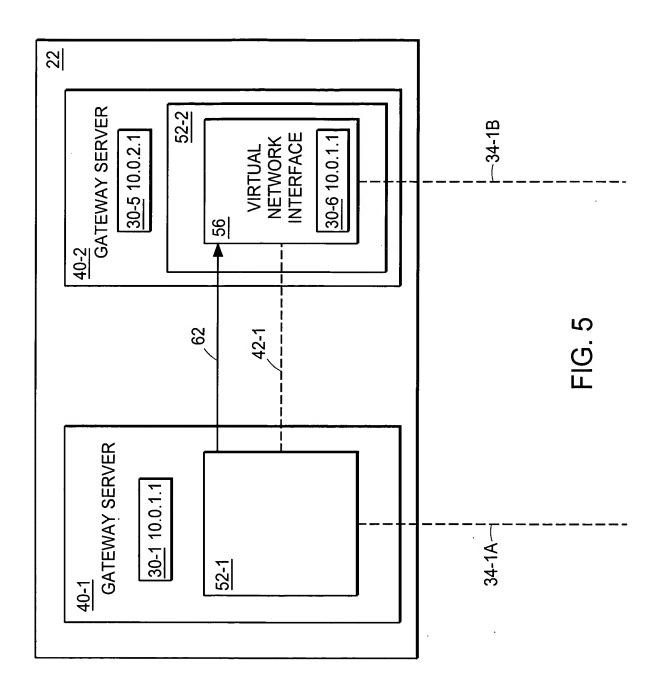
RECEIVE CONNECTION INFORMATION AT THE TARGET GATEWAY SERVER TO MAINTAIN THE SECURE CONNECTION FROM THE MOBILE DEVICE THROUGH THE TARGET ACCESS POINT BACK TO THE INITIAL GATEWAY SERVER.

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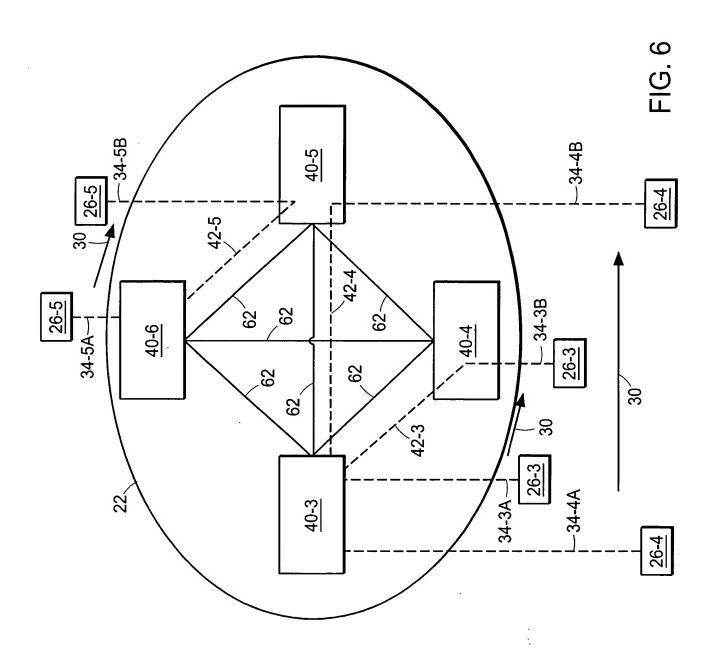
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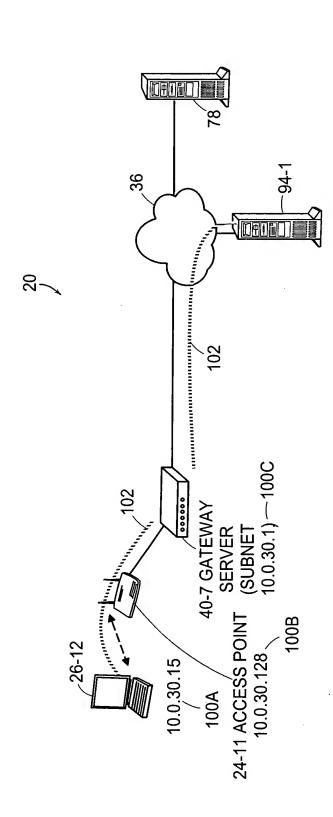




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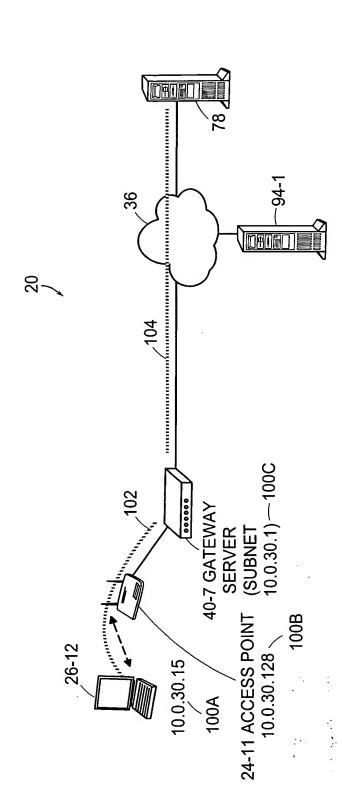


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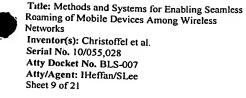


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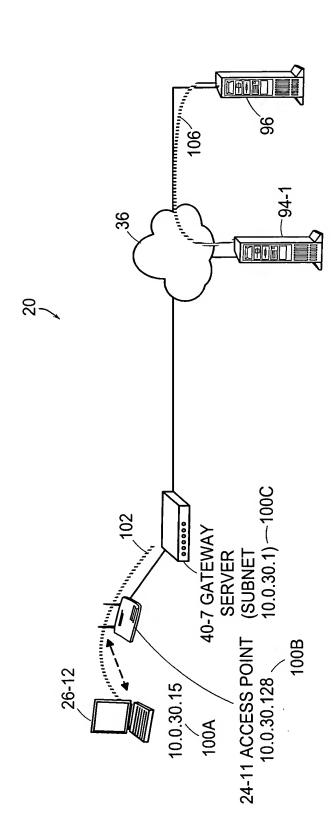






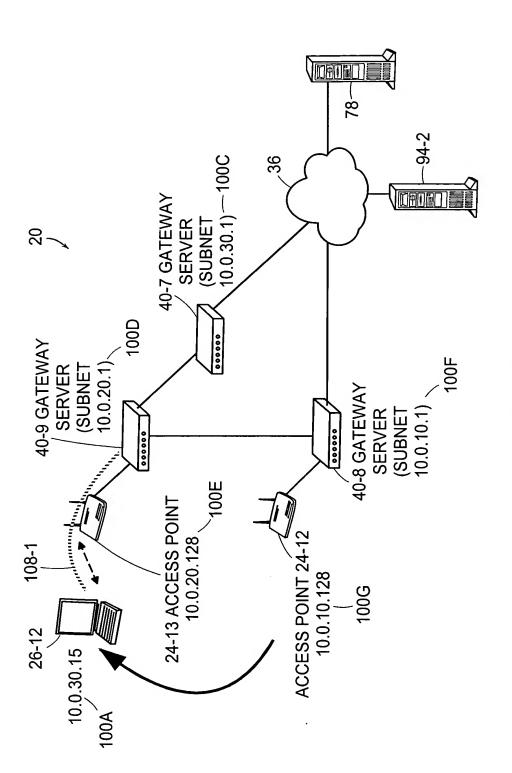








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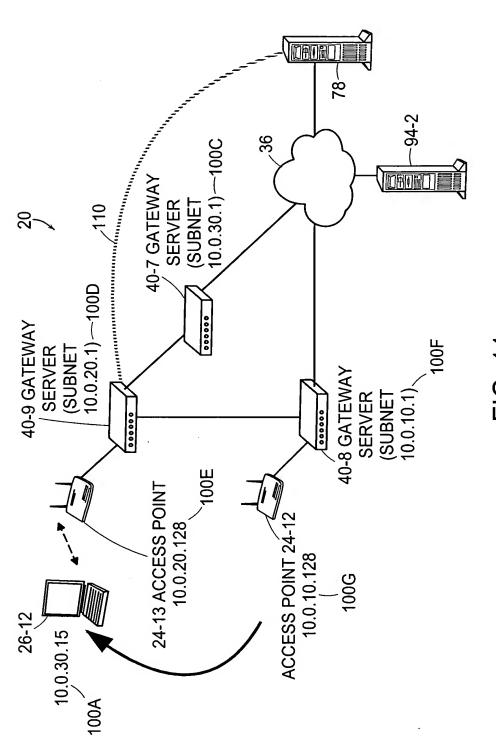
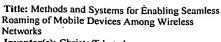


FIG. 11



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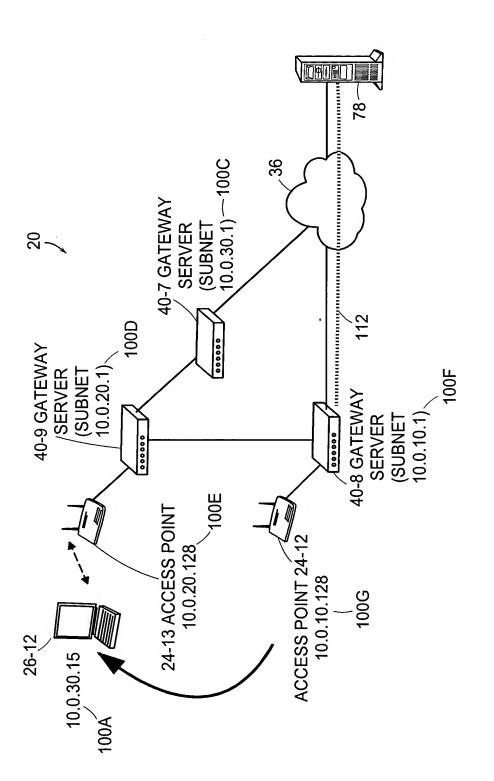
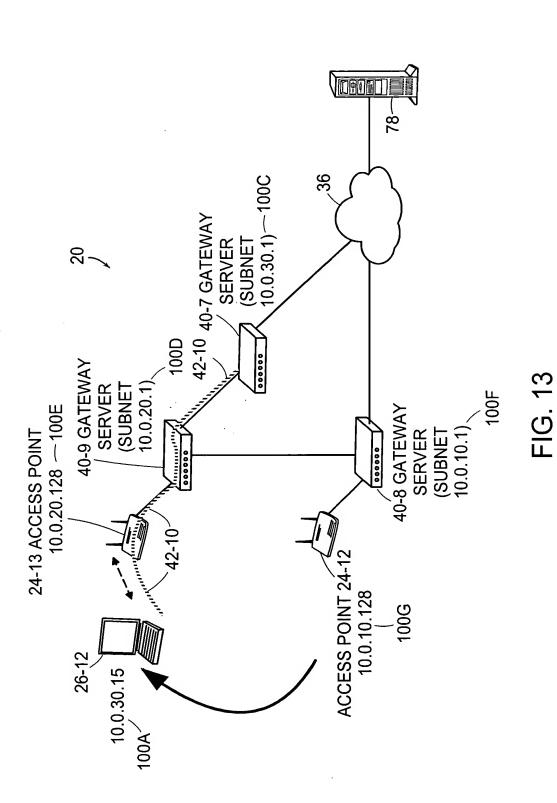


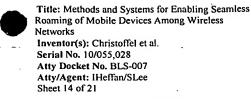
FIG. 12



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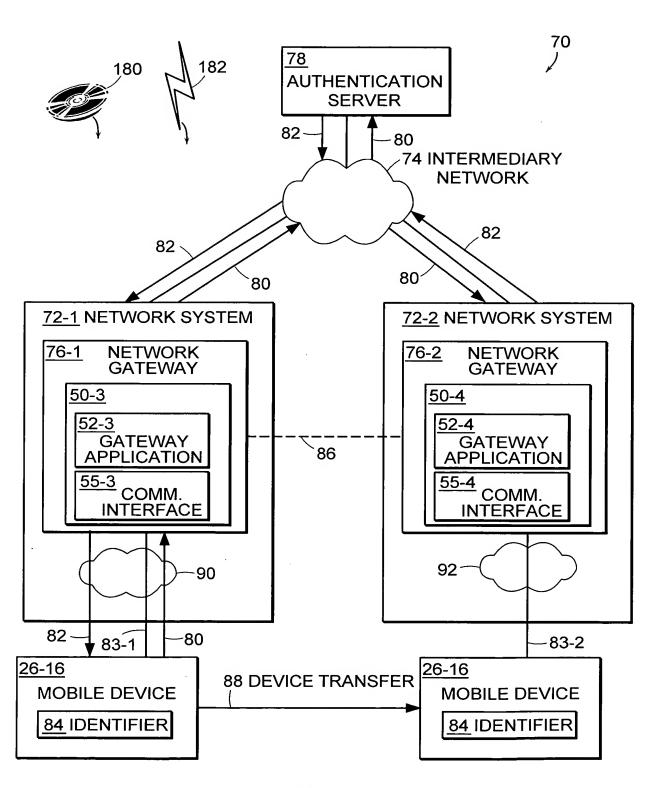


FIG. 14



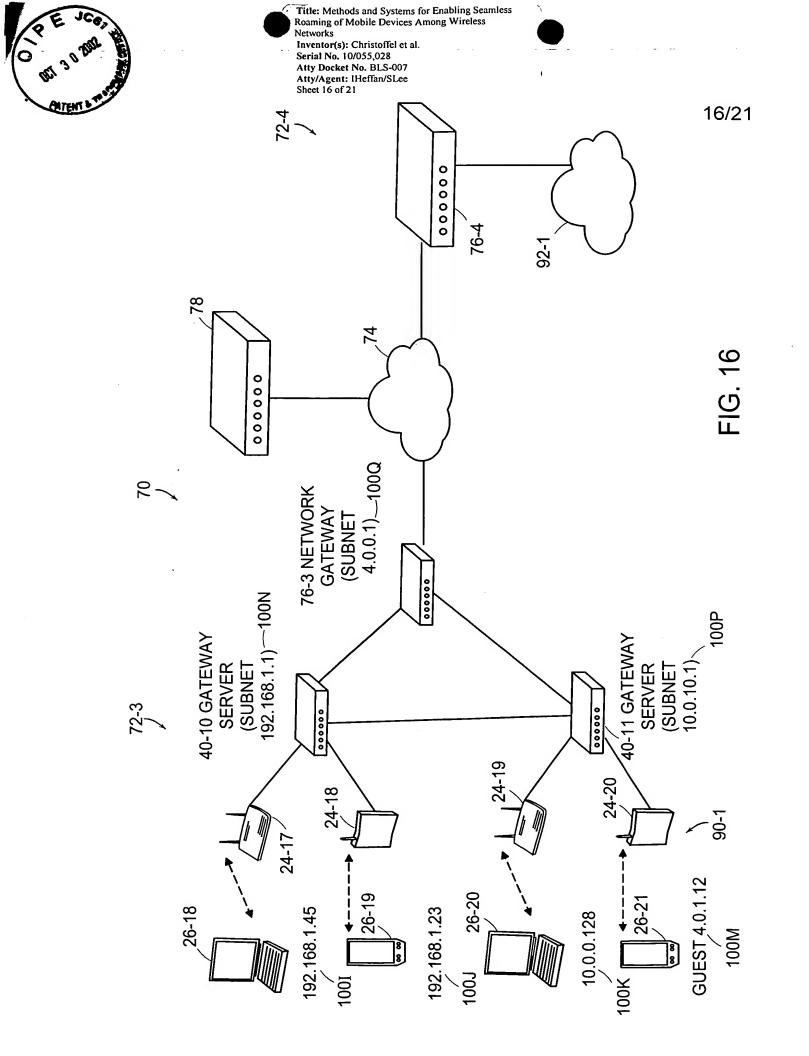
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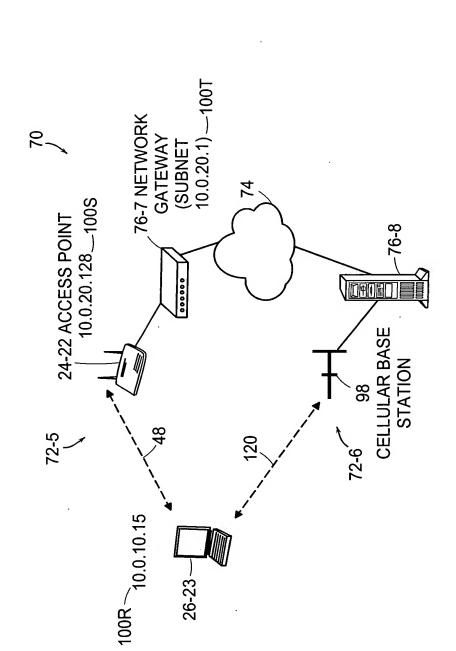
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302 DETECT A TRIGGERING EVENT THAT INDICATES THAT A MOBILE DEVICE WILL TRANSFER FROM AN INITIAL WIRELESS NETWORK TO ANOTHER TARGET WIRELESS NETWORK. 304 RECEIVE A REQUEST AT THE INITIAL WIRELESS NETWORK ON BEHALF OF THE MOBILE DEVICE, INDICATING A NETWORK SYSTEM SPECIFYING THE TARGET WIRELESS NETWORK THAT THE MOBILE DEVICE IS TRANSFERRING TO. 306 OBTAIN AN ACCESS IDENTIFIER FOR THE TARGET WIRELESS NETWORK THROUGH AN INTERMEDIARY NETWORK (E.G., INTERNET). THE IDENTIFIER IS FOR THE MOBILE DEVICE TO USE WHEN ACCESSING THE TARGET WIRELESS NETWORK. 308 PROVIDE THE IDENTIFIER TO THE MOBILE DEVICE 310 TRANSFER THE MOBILE DEVICE FROM THE INITIAL WIRELESS NETWORK TO THE TARGET WIRELESS NETWORK, WHICH THE MOBILE DEVICE ACCESSES BY USING THE IDENTIFIER.

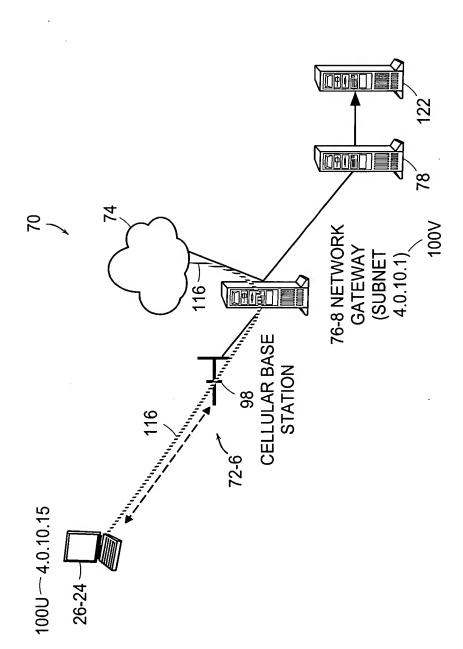
FIG. 15





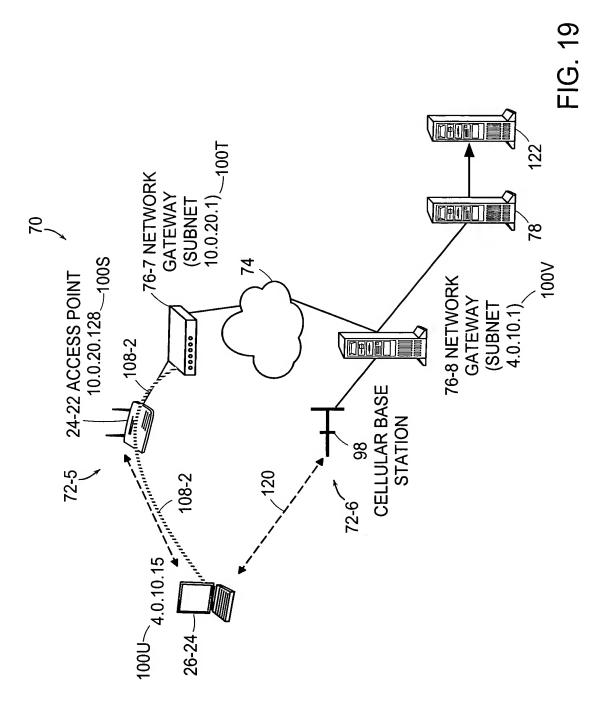


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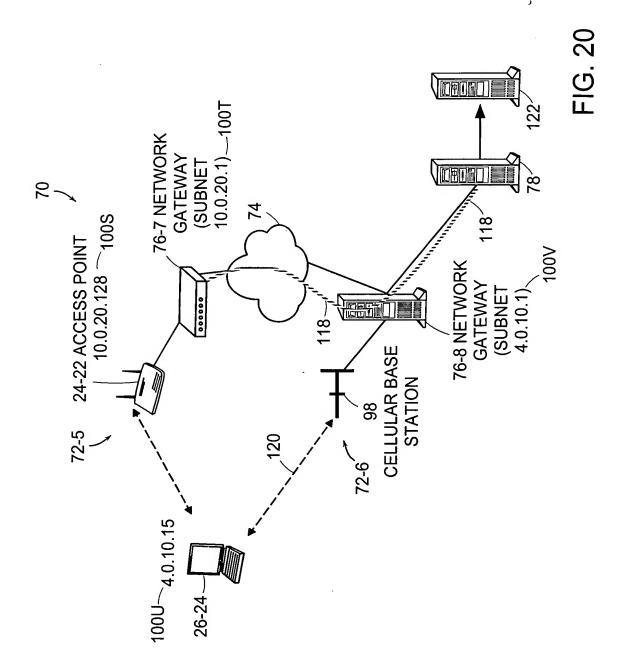
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